

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Charadrius alexandrinus nivosus

western snowy plover

Element Code: ABNNB03031

Status	NDDB Element Ranks	Other Lists
Federal: Threatened State: None	Global: G4T3 State: S2	CDFG Status: SC

Habitat Associations
General: (NESTING) FEDERAL LISTING APPLIES ONLY TO THE PACIFIC COASTAL POPULATION. Micro: SANDY BEACHES, SALT POND LEVEES & SHORES OF LARGE ALKALI LAKES. NEEDS SANDY, GRAVELLY OR FRIABLE SOILS FOR NESTING.

Occurrence No. 50	Map Index: 12955	EO Index: 25756	— Dates Last Seen —
Occ Rank: Unknown			Element: 1986-02-XX
Origin: Natural/Native occurrence			Site: 1986-02-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-09-15
Main Source: PAGE, G. & L. STENZEL 1981 (LIT)			

Quad Summary: CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

Lat/Long: 34.80027° / -120.61954°	Township: 99X
UTM: Zone-10 N3853476 E717769	Range: 99X
Mapping Precision: SPECIFIC	Section: XX Qtr: XX
Symbol Type: POLYGON	Meridian: S
Area: 723.7 ac	Elevation: 20 ft

Location: PURISIMA POINT BEACH, VANDENBERG AFB.

Location Detail: 1977: LARGE NUMBERS OF BREEDING BIRDS ON BEACHES & RIVER MOUTHS OF NORTHERN SANTA BARBARA CO., PRIMARILY PURISIMA POINT BEACH. 1986: MAJOR CONCENTRATION OF WINTERING BIRDS FOUND AT SHUMAN CR NORTH, SAN ANTONIO CR NORTH & PURISIMA PT NORTH.

Ecological: DUNE BACKED BEACH. DUNES INTERRUPTED BY A RIVER OR CREEK.

Threat:

General: 55 BREEDING PAIRS OBSERVED BETWEEN 16 MAY & 11 JUNE 1977. AREA ALSO USED BY WINTERING BIRDS. THIS AREA IS OFF-LIMITS TO THE PUBLIC.

Owner/Manager: DOD-VANDENBERG AFB

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### Emys (=Clemmys) marmorata pallida

southwestern pond turtle

Element Code: ARAAD02032

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G3G4T2T	CDFG Status: SC
State: None	State: 3Q S2	

#### Habitat Associations

##### General:

INHABITS PERMANENT OR NEARLY PERMANENT BODIES OF WATER IN MANY HABITAT TYPES; BELOW 6000 FT ELEV.

**Micro:** REQUIRE BASKING SITES SUCH AS PARTIALLY SUBMERGED LOGS, VEGETATION MATS, OR OPEN MUD BANKS. NEED SUITABLE NESTING SITES.

\* SENSITIVE \*

Occurrence No. 209

Map Index: 32703

EO Index: 1266

— Dates Last Seen —

Occ Rank: Excellent

Element: 1989-05-03

Origin: Natural/Native occurrence

Site: 1989-05-03

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-02-14

Main Source: LAABS, D. & M. ALLABACK 1989 (OBS)

Quad Summary: ORCUTT (3412074/195C), CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

\* SENSITIVE \*

Lat/Long:

Township:

UTM:

Range:

Mapping Precision:

Section:

Qtr:

Symbol Type:

Meridian:

Radius:

Elevation:

**Location:** \*SENSITIVE\* Location information suppressed.

**Location Detail:** Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.

**Ecological:** WILLOW RIPARIAN BORDERED BY GRASSLAND TO THE SOUTH, CHAPARRAL TO THE NORTH; RIPARIAN IS NARROW, BUT DENSE WITH PERENNIAL FLOW.

**Threat:**

**General:**

**Owner/Manager:**

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Eucyclogobius newberryi

tidewater goby

Element Code: AFCQN04010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Endangered

**Global:** G3

**CDFG Status:** SC

**State:** None

**State:** S2S3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** BRACKISH WATER HABITATS ALONG THE CALIF COAST FROM AGUA HEDIONDA LAGOON, SAN DIEGO CO. TO THE MOUTH OF THE SMITH RIVER.

**Micro:** FOUND IN SHALLOW LAGOONS AND LOWER STREAM REACHES, THEY NEED FAIRLY STILL BUT NOT STAGNANT WATER & HIGH OXYGEN LEVELS.

**Occurrence No.** 56

**Map Index:** 13076

**EO Index:** 28525

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1996-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1996-XX-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1997-11-06

**Main Source:** SWIFT, C. ET AL 1986 (LIT)

**Quad Summary:** CASMALIA (3412075/196D)

**County Summary:** SANTA BARBARA

**Lat/Long:** 34.84295° / -120.59114°

**UTM:** Zone-10 N3858273 E720254

**Mapping Precision:** NON-SPECIFIC

**Symbol Type:** POLYGON

**Area:** 75.8 ac

**Township:** 09N

**Range:** 35W

**Section:** 20 **Qtr:** XX

**Meridian:** S

**Elevation:** 80 ft

**Location:** SHUMAN CANYON, FROM MOUTH TO 1.0 MILES UPSTREAM, 5 MILES SE OF POINT SAL. VANDENBERG AFB.

**Location Detail:** SITE OCCUPIES 1.5-2.5 ACRES.

**Ecological:**

**Threat:**

**General:** LACM 36197-1, COLL 11/3/76. POP PRESUMED EXTANT IN 1990 BY SWIFT. LAST COLLECTED IN 1996.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Eucyclogobius newberryi

tidewater goby

Element Code: AFCQN04010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: Endangered

Global: G3

CDFG Status: SC

State: None

State: S2S3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

**General:** BRACKISH WATER HABITATS ALONG THE CALIF COAST FROM AGUA HEDIONDA LAGOON, SAN DIEGO CO. TO THE MOUTH OF THE SMITH RIVER.

**Micro:** FOUND IN SHALLOW LAGOONS AND LOWER STREAM REACHES, THEY NEED FAIRLY STILL BUT NOT STAGNANT WATER & HIGH OXYGEN LEVELS.

Occurrence No. 57

Map Index: 12970

EO Index: 28523

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 2001-08-15

Origin: Natural/Native occurrence

Site: 2001-08-15

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-02-27

Main Source: SWIFT, C. ET AL 1986 (LIT)

Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.79008° / -120.61060°

Township: 08N

UTM: Zone-10 N3852366 E718614

Range: 35W

Mapping Precision: NON-SPECIFIC

Section: 07 Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 139.3 ac

Elevation: 10 ft

Location: SAN ANTONIO CREEK, FROM MOUTH TO ALMOST 2 MILES UPSTREAM, SSE POINT SAL, VANDENBERG AFB.

Location Detail: SITE OCCUPIES 5-7.5 ACRES.

Ecological:

Threat:

**General:** LACM 36200-1, COLL 7/18/75. NO GOBIES FOUND 4/27/84 AT LOMPOC-CASMALIA BRIDGE WHILE NETTING FOR STICKLEBACKS. SWIFT PRESUMED POP EXTANT IN 1990. UNKNOWN NUMBER COLLECTED IN 1995. 8-10 SEEN NEAR ESTUARY IN 2001 DURING RED-LEGGED FROG SURVEY.

Owner/Manager: DOD-VANDENBERG AFB

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Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Phrynosoma coronatum (frontale)

Coast (California) horned lizard

Element Code: ARACF12022

Status	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G4T3T4 State: S3S4	CDFG Status: SC

#### Habitat Associations

**General:** FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

**Micro:** OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, & ABUNDANT SUPPLY OF ANTS & OTHER INSECTS.

Occurrence No. 1

Map Index: 17293

EO Index: 11970

— Dates Last Seen —

Occ Rank: Unknown

Element: 1990-XX-XX

Origin: Natural/Native occurrence

Site: 1990-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1992-06-16

Main Source: HUMAN, V. 1990 (LIT)

#### Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.79888° / -120.57038°

Township: 99X

UTM: Zone-10 N3853430 E722271

Range: 99X

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1 mile

Elevation: 240 ft

**Location:** SAN ANTONIO TERRACE ON VANDENBERG AIR FORCE BASE.

**Location Detail:** RARE, A LARGE INDIVIDUAL WAS SEEN NEAR THE SOUTH MARGIN OF GOLDFINCH SWALE ON THE DUNE, AND A TINY INDIVIDUAL WAS SEEN ON THE MOST NORTHERLY OF THE DUNE WINDROWS JUST SOUTH OF THE DUCK POND. NONE WERE SEEN DURING BRUSH REMOVAL ACTIVITIES.

**Ecological:** SAN ANTONIO TERRACE CONSISTS OF ABOUT 6,000 ACRES OF SAND DUNES CONTAINING A WIDE VARIETY OF HABITATS.

#### Threat:

**General:** THIS SURVEY WAS CONDUCTED BETWEEN JAN 1988 AND AUG 1990.

**Owner/Manager:** DOD-VANDENBERG AFB

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Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
<b>Federal:</b> Threatened <b>State:</b> None	<b>Global:</b> G4T2T3 <b>State:</b> S2S3	<b>CDFG Status:</b> SC

Habitat Associations
<b>General:</b> LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.
<b>Micro:</b> REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

<b>Occurrence No.</b> 36	<b>Map Index:</b> 17291	<b>EO Index:</b> 12161	<b>Dates Last Seen</b>
<b>Occ Rank:</b> Fair			<b>Element:</b> 1997-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-07-06
<b>Main Source:</b> HUMAN, V. 1990 (LIT)			

#### Quad Summary:

County Summary: SANTA BARBARA

<b>Lat/Long:</b> 34.80828° / -120.58459°	<b>Township:</b> 99X
<b>UTM:</b> Zone-10 N3854442 E720946	<b>Range:</b> 99X
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> XX <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 1/5 mile	<b>Elevation:</b> 160 ft

**Location:** ABANDONED MISSILE LAUNCHER AT THE END OF PIKE ROAD, SAN ANTONIO TERRACE ON VANDENBERG AIR FORCE BASE.

**Location Detail:** 1997: IRP (INSTALLATION RESTORATION PROGRAM) SITE 31. INHABITS THE ABANDONED MISSILE SUMP, POND AND SURROUNDING WETLANDS.

**Ecological:** SITE IS WITHIN A COMPLEX OF DUNES AND DUNE SWALE PONDS. THE WATER LEVEL OF THE SUMP FELL ABOUT 6 FT BETWEEN 1988 AND 1990.

#### Threat:

**General:** 1990: AS MANY AS 4 FROGS SEEN AT ONCE. ONLY A VERY SMALL POP AT THIS SITE. 1997: DAY & NIGHT SURVEYS CONDUCTED, ALMOST ALL OBSERVED AT NIGHT. 74 OBSERVED IN 2 DAYS. FROGS SEEN IN ALL OF THE AREAS IN IRP SITE 31.

**Owner/Manager:** DOD-VANDENBERG AFB

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Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
<b>Federal:</b> Threatened <b>State:</b> None	<b>Global:</b> G4T2T3 <b>State:</b> S2S3	<b>CDFG Status:</b> SC

Habitat Associations
<b>General:</b> LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.
<b>Micro:</b> REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

<b>Occurrence No.</b> 392	<b>Map Index:</b> 43189	<b>EO Index:</b> 43189	<b>— Dates Last Seen —</b>
<b>Occ Rank:</b> Unknown			<b>Element:</b> 1997-XX-XX
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 1997-XX-XX
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2000-07-10
<b>Main Source:</b> CHRISTOPHER, S. 1997 (LIT)			

#### Quad Summary:

County Summary: SANTA BARBARA

<b>Lat/Long:</b> 34.82271° / -120.55815°	<b>Township:</b> 09N
<b>UTM:</b> Zone-10 N3856100 E723326	<b>Range:</b> 35W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> 27 <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 2/5 mile	<b>Elevation:</b> 440 ft

**Location:** IRP (INSTALLATION RESTORATION PROGRAM) SITES 32/35 ACCESSED BY EL RANCHO OESTE RD, SAN ANTONIO TERRACE, S OF SHUMAN CR.

**Location Detail:** RED-LEGGED FROGS FOUND THROUGHOUT SAN ANTONIO TERRACE IN DUNE SWALE PONDS (CHRISTOPHER 1997), BUT ONLY 3 PLACES MENTIONED IN REPORT FOR SITES 32/35, A SPRING-FED MARSH, A CATTLE TANK, & A CATTLE POND.

**Ecological:** GRASSLANDS ON SAN ANTONIO TERRACE WITH MARSH VEGETATION.

#### Threat:

**General:** 1997: 13 ADULTS WITH 2 OR MORE SUBADULTS, MANY FROGS HEARD JUMPING BUT NOT ABLE TO IDENTIFY; 1 METAMORPH AND MANY TADPOLES.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
<b>Federal:</b> Threatened <b>State:</b> None	<b>Global:</b> G4T2T3 <b>State:</b> S2S3	<b>CDFG Status:</b> SC

Habitat Associations
<b>General:</b> LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.
<b>Micro:</b> REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

<b>Occurrence No.</b> 491	<b>Map Index:</b> 47262	<b>EO Index:</b> 47262	<b>— Dates Last Seen —</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2001-08-15
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2001-08-15
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2002-02-19
<b>Main Source:</b> PAGE, C. 2001 (OBS)			

#### Quad Summary:

County Summary: SANTA BARBARA

<b>Lat/Long:</b> 34.79340° / -120.61615°	<b>Township:</b> 08N
<b>UTM:</b> Zone-10 N3852722 E718097	<b>Range:</b> 35W
<b>Mapping Precision:</b> NON-SPECIFIC	<b>Section:</b> 06 <b>Qtr:</b> XX
<b>Symbol Type:</b> POLYGON	<b>Meridian:</b> S
<b>Area:</b> 61.4 ac	<b>Elevation:</b> 40 ft

**Location:** VANDENBURG AIR FORCE BASE; SAN ANTONIO CREEK FROM SOUTHERN PACIFIC RAILROAD TRACKS TO (NEAR) THE OCEAN.

#### Location Detail:

**Ecological:** HABITAT CONSISTS OF RIPARIAN ZONE (DOMINATED BY WILLOW AND POISON OAK) AND AQUATIC ZONE DOMINATED BY DUCKWEED. TIDEWATER GOBIES (8-10) OBSERVED IN VICINITY.

#### Threat:

**General:** 15 AUG 2001: 2 ADULTS AND 1 JUVENILE OBSERVED.

**Owner/Manager:** DOD-VANDENBERG AFB



## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
<b>Federal:</b> Threatened <b>State:</b> None	<b>Global:</b> G4T2T3 <b>State:</b> S2S3	<b>CDFG Status:</b> SC

#### Habitat Associations

**General:** LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

**Micro:** REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

**Occurrence No.** 551

**Map Index:** 48711

**EO Index:** 48711

**Dates Last Seen**

**Occ Rank:** Fair

**Element:** 2002-05-23

**Origin:** Natural/Native occurrence

**Site:** 2002-05-23

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2002-09-03

**Main Source:** SIEMENS, M. 2002 (OBS)

#### Quad Summary:

**County Summary:** SANTA BARBARA

**Lat/Long:** 34.84255° / -120.52029°

**Township:** 09N

**UTM:** Zone-10 N3858386 E726735

**Range:** 35W

**Mapping Precision:** SPECIFIC

**Section:** 24 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 80 meters

**Elevation:** 313 ft

**Location:** SHUMAN CREEK

**Location Detail:** FROGS OBSERVED IN POOLS & ON THE BANK.

**Ecological:** HABITAT CONSISTS OF WILLOW RIPARIAN, DOMINATED BY YOUNG WILLOWS, ALONG AN INTERMITTENT, BLUE-LINE DRAINAGE, WITH COASTAL SCRUB, DOMINATED BY COYOTE BUSH, ENCROACHING FROM THE UPLANDS

**Threat:** THREATENED BY OIL SUMP REMEDIATION SCHEDULED FOR THE NEAR FUTURE.

**General:** 2 ADULT FROGS OBSERVED ON 11 APR 2002. 11 FROGS OBSERVED 23 MAY 2002.

**Owner/Manager:** PVT-UNOCAL

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
<b>Federal:</b> Threatened <b>State:</b> None	<b>Global:</b> G4T2T3 <b>State:</b> S2S3	<b>CDFG Status:</b> SC

Habitat Associations
<b>General:</b> LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.
<b>Micro:</b> REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 576

Map Index: 48912

EO Index: 48912

— Dates Last Seen —

**Occ Rank:** Fair

**Element:** 2002-07-18

**Origin:** Natural/Native occurrence

**Site:** 2002-07-18

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2002-10-02

**Main Source:** DART, J. 2002 (OBS)

#### Quad Summary:

**County Summary:** SANTA BARBARA

**Lat/Long:** 34.85444° / -120.52125°

**Township:** 09N

**UTM:** Zone-10 N3859703 E726614

**Range:** 35W

**Mapping Precision:** NON-SPECIFIC

**Section:** 24 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1/10 mile

**Elevation:** 384 ft

**Location:** JUST EAST OF BLACK ROAD, IN THE CASMALIA OIL FIELDS, SW OF SANTA MARIA

**Location Detail:** SITE CONSISTS OF A SCOUR POOL AND A CULVERT AT MILEAGE POST 282.33, LOCATED ON THE UNION PACIFIC RIGHT-OF-WAY, WITHIN THE CASMALIA OIL FIELD PROPERTY.

**Ecological:** HABITAT CONSISTS OF A SMALL SCOUR POOL AND A CULVERT (ABOUT 5 M UPSTREAM); POOL IS SHADED BY ARROYO WILLOWS (SALIX LASEOLEPIS)

**Threat:** POSSIBLE THREAT FROM OIL SPILL CONTAMINATION.

**General:** 4 ADULTS AND 8 JUVENILES OBSERVED ON 18 JUL 2002.

**Owner/Manager:** PVT-UNION PACIFIC RR

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
<b>Federal:</b> Threatened <b>State:</b> None	<b>Global:</b> G4T2T3 <b>State:</b> S2S3	<b>CDFG Status:</b> SC

Habitat Associations
<b>General:</b> LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.
<b>Micro:</b> REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

<b>Occurrence No.</b> 729	<b>Map Index:</b> 54228	<b>EO Index:</b> 54228	<b>— Dates Last Seen —</b>
<b>Occ Rank:</b> Excellent			<b>Element:</b> 2003-02-17
<b>Origin:</b> Natural/Native occurrence			<b>Site:</b> 2003-02-17
<b>Presence:</b> Presumed Extant			
<b>Trend:</b> Unknown			<b>Record Last Updated:</b> 2004-02-02
<b>Main Source:</b> CHRISTOPHER, S. V. 2003 (OBS)			

#### Quad Summary:

County Summary: SANTA BARBARA

<b>Lat/Long:</b> 34.81726° / -120.59692°	<b>Township:</b> 09N
<b>UTM:</b> Zone-10 N3855411 E719793	<b>Range:</b> 35W
<b>Mapping Precision:</b> SPECIFIC	<b>Section:</b> 32 <b>Qtr:</b> XX
<b>Symbol Type:</b> POINT	<b>Meridian:</b> S
<b>Radius:</b> 80 meters	<b>Elevation:</b> 121 ft

**Location:** SAN ANTONIO TERRACE, ON THE WEST SIDE OF THE RAILROAD TRACKS, VANDENBERG AIR FORCE BASE  
**Location Detail:** S.V. CHRISTOPHER SITE #279  
**Ecological:** HABITAT CONSISTS OF CATTAIL MARSH IN A DUNE SWALE.  
**Threat:** POSSIBLE THREAT FROM PROXIMITY OF RAILROAD.  
**General:** 4 ADULTS HEARD CALLING ON 17 FEB 2003.  
**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Taxidea taxus

American badger

Element Code: AMAJF04010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None

**Global:** G5

**CDFG Status:** SC

**State:** None

**State:** S4

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.

**Micro:** NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

**Occurrence No.** 1

**Map Index:** 17294

**EO Index:** 11969

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1990-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1990-XX-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1992-06-16

**Main Source:** HUMAN, V. 1990 (LIT)

**Quad Summary:**

**County Summary:** SANTA BARBARA

**Lat/Long:** 34.80352° / -120.56588°

**Township:** 99X

**UTM:** Zone-10 N3853955 E722670

**Range:** 99X

**Mapping Precision:** SPECIFIC

**Section:** XX

**Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 80 meters

**Elevation:** 240 ft

**Location:** SAN ANTONIO TERRACE ON VANDENBERG AIR FORCE BASE.

**Location Detail:** DEN FOUND NEAR SOUTH EDGE OF WILD BOAR WETLAND.

**Ecological:** MICE, VOLES AND KANGAROO RATS ARE PRINCIPAL PREY ITEMS. SAN ANTONIO TERRACE CONSISTS OF ABOUT 6,000 ACRES OF SAND DUNES CONTAINING A VARIETY OF HABITATS AND A DIVERSITY OF SPECIES.

**Threat:**

**General:** THIS SURVEY WAS DONE BETWEEN JAN 1988 AND AUG 1990.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Taxidea taxus

American badger

Element Code: AMAJF04010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None

**Global:** G5

**CDFG Status:** SC

**State:** None

**State:** S4

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.

**Micro:** NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

**Occurrence No.** 2

**Map Index:** 17295

**EO Index:** 11968

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1990-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1990-XX-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1992-06-16

**Main Source:** HUMAN, V. 1990 (LIT)

#### Quad Summary:

**County Summary:** SANTA BARBARA

**Lat/Long:** 34.81472° / -120.57609°

**Township:** 99X

**UTM:** Zone-10 N3855175 E721706

**Range:** 99X

**Mapping Precision:** SPECIFIC

**Section:** XX

**Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 80 meters

**Elevation:** 240 ft

**Location:** SAN ANTONIO TERRACE ON VANDENBERG AIR FORCE BASE.

**Location Detail:** A DEN SITE AND MUCH DIGGING AROUND LOTUS WETLAND.

**Ecological:** MICE, VOLES AND KANGAROO RATS ARE PRINCIPAL PREY.

**Threat:**

**General:** THIS SURVEY WAS DONE BETWEEN JAN 1988 AND AUG 1990.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Taxidea taxus

American badger

Element Code: AMAJF04010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None

**Global:** G5

**CDFG Status:** SC

**State:** None

**State:** S4

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.

**Micro:** NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

**Occurrence No.** 3

**Map Index:** 17298

**EO Index:** 11965

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1990-XX-XX

**Origin:** Natural/Native occurrence

**Site:** 1990-XX-XX

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 1994-05-26

**Main Source:** HUMAN, V. 1990 (LIT)

#### Quad Summary:

**County Summary:** SANTA BARBARA

**Lat/Long:** 34.80358° / -120.59781°

**Township:** 99X

**UTM:** Zone-10 N3853891 E719749

**Range:** 99X

**Mapping Precision:** NON-SPECIFIC

**Section:** XX **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 1/5 mile

**Elevation:** 160 ft

**Location:** SAN ANTONIO TERRACE ON VANDENBERG AIR FORCE BASE.

**Location Detail:** A DEN AND DIGGINGS WERE FOUND BY ABANDONED ANTENNA PAD NEAR THE WEST END OF PERIGEE ROAD.

**Ecological:** VOLES, MICE AND KANGAROO RATS ARE PRINCIPAL PREY ITEMS. SAN ANTONIO TERRACE CONSISTS OF ABOUT 6,000 ACRES OF SAND DUNES CONTAINING A VARIETY OF HABITATS AND A DIVERSITY OF SPECIES.

#### Threat:

**General:** THIS SURVEY WAS DONE BETWEEN JAN 1988 AND AUG 1990.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Taxidea taxus

American badger

Element Code: AMAJF04010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G5

CDFG Status: SC

State: None

State: S4

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

**General:** MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.

**Micro:** NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

Occurrence No. 4

Map Index: 17299

EO Index: 11964

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1990-XX-XX

Origin: Natural/Native occurrence

Site: 1990-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1992-06-16

Main Source: HUMAN, V. 1990 (LIT)

#### Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.80403° / -120.57901°

Township: 99X

UTM: Zone-10 N3853982 E721467

Range: 99X

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1/5 mile

Elevation: 200 ft

**Location:** SAN ANTONIO TERRACE ON VANDENBERG AIR FORCE BASE.

**Location Detail:** ONE INDIVIDUAL WAS SEEN IN A DEN JUST SOUTH OF ENCELADUS ROAD NEAR GOLDEN EYES SWALE.

**Ecological:** MICE, VOLES AND KANGAROO RATS ARE MAJOR PREY ITEMS. SAN ANTONIO TERRACE CONSISTS OF ABOUT 6,000 ACRES OF SAND DUNES CONTAINING A VARIETY OF HABITATS AND A DIVERSITY OF SPECIES.

#### Threat:

**General:** THIS SURVEY WAS DONE BETWEEN JAN 1988 AND AUG 1990.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Taxidea taxus

American badger

Element Code: AMAJF04010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None

**Global:** G5

**CDFG Status:** SC

**State:** None

**State:** S4

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.

**Micro:** NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

**Occurrence No.** 109

**Map Index:** 56685

**EO Index:** 56701

\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_

**Occ Rank:** Unknown

**Element:** 1989-08-29

**Origin:** Natural/Native occurrence

**Site:** 1989-08-29

**Presence:** Presumed Extant

**Trend:** Unknown

**Record Last Updated:** 2004-09-09

**Main Source:** RAWLINSON, D. 1989 (OBS)

#### Quad Summary:

**County Summary:** SANTA BARBARA

**Lat/Long:** 34.87553° / -120.51439°

**Township:** 09N

**UTM:** Zone-10 N3862059 E727183

**Range:** 35W

**Mapping Precision:** NON-SPECIFIC

**Section:** 12 **Qtr:** XX

**Symbol Type:** POINT

**Meridian:** S

**Radius:** 2/5 mile

**Elevation:** 400 ft

**Location:** BLACK ROAD, 3 MILES NORTH OF CASMALIA.

**Location Detail:** LOCATION GIVEN AS BLACK RD, 3 MI E CASMALIA. MAPPED ALONG BLACK RD 3 MILES NORTH FROM CASMALIA.

**Ecological:** RANCH LANDS - ROLLING HILLS.

**Threat:**

**General:** ROAD KILL OBSERVED ON 29 AUG 1989.

**Owner/Manager:** UNKNOWN



## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Taxidea taxus

American badger

Element Code: AMAJF04010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G5

CDFG Status: SC

State: None

State: S4

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

**General:** MOST ABUNDANT IN DRIER OPEN STAGES OF MOST SHRUB, FOREST, AND HERBACEOUS HABITATS, WITH FRIABLE SOILS.

**Micro:** NEED SUFFICIENT FOOD, FRIABLE SOILS & OPEN, UNCULTIVATED GROUND. PREY ON BURROWING RODENTS. DIG BURROWS.

Occurrence No. 113

Map Index: 56728

EO Index: 56744

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1987-07-19

Origin: Natural/Native occurrence

Site: 1987-07-19

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2004-09-13

Main Source: RAWLINSON, D. 1987 (OBS)

Quad Summary: ORCUTT (3412074/195C), CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

Lat/Long: 34.77501° / -120.49111°

Township: 08N

UTM: Zone-10 N3850961 E729590

Range: 34W

Mapping Precision: NON-SPECIFIC

Section: 17 Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 3/5 mile

Elevation: 240 ft

Location: HIGHWAY 1 AT JUNCTION WITH SAN ANTONIO ROAD, BETWEEN SANTA MARIA AND VANDENBERG AFB.

Location Detail: MAPPED TO INCLUDE AREA WHERE SAN ANTONIO ROAD INTERSECTS HWY 1 (VANDENBERG ROAD).

Ecological: SURROUNDING AREA IS OAK WOODLAND.

Threat:

General: ROAD KILL OBSERVED ON 19 JUL 1987.

Owner/Manager: UNKNOWN

## Appendix 5

Federal Status, State Status, CDFG Status (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Thamnophis hammondi

two-striped garter snake

Element Code: ARADB36160

Status	NDDB Element Ranks	Other Lists
Federal: None State: None	Global: G3 State: S2	CDFG Status: SC

Habitat Associations
<b>General:</b> COASTAL CALIFORNIA FROM VICINITY OF SALINAS TO NORTHWEST BAJA CALIFORNIA. FROM SEA TO ABOUT 7,000 FT ELEVATION. <b>Micro:</b> HIGHLY AQUATIC, FOUND IN OR NEAR PERMANENT FRESH WATER. OFTEN ALONG STREAMS WITH ROCKY BEDS AND RIPARIAN GROWTH.

Occurrence No. 26	Map Index: 33137	EO Index: 12773	— Dates Last Seen —
Occ Rank: Unknown			Element: 1988-04-16
Origin: Natural/Native occurrence			Site: 1988-04-16
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1995-11-14
Main Source: SWEET, S. 1988 (PERS)			

Quad Summary: CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

Lat/Long: 34.78482° / -120.59322°	Township: 08N
UTM: Zone-10 N3851820 E720218	Range: 35W
Mapping Precision: NON-SPECIFIC	Section: XX Qtr: XX
Symbol Type: POINT	Meridian: S
Radius: 2/5 mile	Elevation: 45 ft

Location: NORTH EDGE OF SAN ANTONIO CREEK, SOUTHWEST OF MOD III POND, VANDENBERG AFB.

Location Detail:

Ecological:

Threat:

General: UCSB SPECIMEN #30246, COLLECTED ON 16 APRIL 1988.

Owner/Manager: DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Aphanisma blitoides

aphanisma

Element Code: PDCHE02010

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G2

CNPS List: 1B

State: None

State: S1.1

R-E-D Code: 2-2-2

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

Micro: ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. IN STEEP DECLINE ON THE ISLANDS AND THE MAINLAND. 1-305M.

Occurrence No. 7

Map Index: 17567

EO Index: 10035

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Fair

Element: 1998-05-10

Origin: Natural/Native occurrence

Site: 1998-05-10

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1998-07-06

Main Source: PARIKH, A. &amp; N. GALE 1998 (OBS)

Quad Summary: CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

Lat/Long: 34.86812° / -120.61850°

Township: 09N

UTM: Zone-10 N3861005 E717685

Range: 35W

Mapping Precision: SPECIFIC

Section: 18 Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 0.9 ac

Elevation: 100 ft

Location: HEADLANDS NEAR LION'S HEAD, S OF POINT SAL.

Location Detail: SOUTH OF PT. SAL ROAD.

Ecological: IN COASTAL BLUFF SCRUB ON STEEP ROCKY CLIFF FACE ABOVE THE OCEAN. MANY NONNATIVE PLANTS HERE: MESEMBRYANTHEMUM CRYSTALLINUM, CARPOBROTUS EDULIS, SONCHUS ASPER, AND BROMUS DIANDRUS.

Threat: SEVERE DEGRADATION OF HABITAT BY NONNATIVE PLANTS, ESPECIALLY MESEMBRYANTHEMUM CRYSTALLINUM.

General: 20 PLANTS IN 1998.

Owner/Manager: DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Arctostaphylos purissima

La Purisima manzanita

Element Code: PDERI041A0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2?	CNPS List: 1B
State: None	State: S2?	R-E-D Code: 2-3-3
Habitat Associations		
General: CHAPARRAL.		
Micro: SANDSTONE OUTCROPS, SANDY SOIL. 120-300M.		

Occurrence No. 9

Map Index: 13330

EO Index: 29719

Dates Last Seen

Occ Rank: Good

Element: 1996-10-02

Origin: Natural/Native occurrence

Site: 1996-10-02

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1999-01-07

Main Source: NICHOLS, R. 1989 (OBS)

Quad Summary: LOMPOC (3412064/170B), SURF (3412065/171A), CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

Lat/Long: 34.71411° / -120.50541°

Township: 07N

UTM: Zone-10 N3844173 E728450

Range: 34W

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 11,061.5 ac

Elevation: 500 ft

**Location:** 3.0-5.5 MILES N OF LOMPOC, FROM THE VICINITY OF MISSION LA PURISIMA, W TO VANDENBERG AFB (NEAR SPRR), N TO BURTON MESA.

**Location Detail:** MAPPED TOGETHER WITH ARCTOSTAPHYLOS RUDIS AS SEVERAL NON-SPECIFIC POLYGONS ON THE LOMPOC, SURF, AND CASMALIA QUADS. THIS EO COVERS A HUGE AREA; THE ONLY WAY TO DESCRIBE ITS LOCATION IS TO GET THE MAP OVERLAY.

**Ecological:** BURTON MESA MARITIME CHAPARRAL, ON ORCUTT SAND. WITH ARCTOSTAPHYLOS RUDIS, ERICAMERIA ERICOIDES, ARTEMISIA CALIFORNICA, ADENOSTOMA FASCICULATUM, Q. AGRIFOLIA, SALVIA MELLIFERA, CORETHROGYNE FILAGINIFOLIA, HORKELIA CUNEATA, LOTUS SCOPARIUS.

**Threat:** TRAILS, AND FIREBREAKS HAVE FRAGMENTED MUCH OF THE HABITAT IN THIS AREA. NONNATIVE PLANTS AND DEVELOPMENT ALSO THREATEN.

**General:** MAPPED BASED ON ASSOCIATION OF THIS SPECIES W/PREVIOUSLY IDENTIFIED STANDS OF ARCTOSTAPHYLOS RUDIS & CENTRAL MARITIME CHAPARRAL. ACTUAL EXTENT OF A. PURISSIMA IN THIS AREA IS UNKNOWN. 10 PLANTS N OF MISSION STATE HISTORICAL MONUMENT IN 1996.

**Owner/Manager:** DOD-VAFB, PVT, DPR

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Arctostaphylos purissima

La Purisima manzanita

Element Code: PDERI041A0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2?	CNPS List: 1B
State: None	State: S2?	R-E-D Code: 2-3-3
Habitat Associations		
General: CHAPARRAL.		
Micro: SANDSTONE OUTCROPS, SANDY SOIL. 120-300M.		

Occurrence No. 10

Map Index: 13140

EO Index: 8669

Dates Last Seen

Occ Rank: Good

Element: 1989-04-04

Origin: Natural/Native occurrence

Site: 1989-04-04

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-11-19

Main Source: NICHOLS, R. 1989 (OBS)

Quad Summary: CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

Lat/Long: 34.81525° / -120.53479°

Township: 99X

UTM: Zone-10 N3855325 E725483

Range: 99X

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 950.2 ac

Elevation: 500 ft

**Location:** VANDENBERG AFB, ABOUT 2 MI SW TO 3 MI S OF CASMALIA. BOTH SIDES OF LOMPOC-CASMALIA HIGHWAY.

**Location Detail:** MAPPED FROM ANTONIO SIDING ALONG SPRR EAST TO LOMPOC-CASMALIA ROAD AND SOUTH ABOUT 2 MILES.

**Ecological:** 200-800 FEET ELEVATION. ASSOCIATED WITH ARCTOSTAPHYLOS PURISIMA, SALVIA MELLIFERA, ADENOSTOMA FASCICULATUM, ERICAMERIA ERICOIDES, ARTEMISIA CALIFORNICA, BACCHARIS PILULARIS CONSANGUINEA, RHAMNUS CALIFORNICA, AND QUERCUS AGRIFOLIA.

**Threat:** MILITARY ACTIVITIES AND FIRE CONTROL ACTIVITIES COULD THREATEN.

**General:** EXACT EXTENT OF THIS POPULATION UNKNOWN. OCCURRENCE BASED ON REPORTED ASSOCIATION OF THIS SPECIES WITH KNOWN STAND OF ARCTOSTAPHYLOS RUDIS.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Arctostaphylos rudis**

sand mesa manzanita

Element Code: PDERI041E0

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CHAPARRAL, COASTAL SCRUB.**Micro:** ON SANDY SOILS IN LOMPOC/NIPOMO AREA. 25-230M.**Occurrence No.** 1**Map Index:** 13330**EO Index:** 29720\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Good**Element:** 1996-10-02**Origin:** Natural/Native occurrence**Site:** 1996-10-02**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1996-11-07**Main Source:** NICHOLS, R. 1989 (OBS)**Quad Summary:** LOMPOC (3412064/170B), SURF (3412065/171A), CASMALIA (3412075/196D)**County Summary:** SANTA BARBARA**Lat/Long:** 34.71411° / -120.50541°**Township:** 07N**UTM:** Zone-10 N3844173 E728450**Range:** 34W**Mapping Precision:** NON-SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 11,061.5 ac**Elevation:** 500 ft

**Location:** 3.0-5.5 MILES N OF LOMPOC, FROM THE VICINITY OF MISSION LA PURISIMA, W TO VANDENBERG AFB (NEAR SPRR), N TO BURTON MESA.

**Location Detail:** MAPPED AS SEVERAL NON-SPECIFIC POLYGONS ON THE LOMPOC, SURF, AND CASMALIA QUADS. THIS EO COVERS A HUGE AREA; THE ONLY WAY TO DESCRIBE ITS LOCATION IS TO GET THE MAP OVERLAY.

**Ecological:** BURTON MESA MARITIME CHAPARRAL, ON ORCUTT SAND. W/ARCTOSTAPHYLOS PURISSIMA, ERICAMERIA ERICOIDES, ARTEMISIA CALIFORNICA, ADENOSTOMA FASCICULATUM, Q. AGRIFOLIA, SALVIA MELLIFERA, CORETHROGYNE FILAGINIFOLIA, HORKELIA CUNEATA, LOTUS SCOPARIUS.

**Threat:** DEVELOPMENT & NONNATIVE PLANTS THREATEN. ROADS, TRAILS, AND FIREBREAKS HAVE FRAGMENTED MUCH OF THE HABITAT IN THIS AREA.

**General:** AT LEAST 58000 PLANTS ESTIMATED BETWEEN 1988 AND 1989. INCLUDES FORMER OCCURRENCES 2, 3, 12, 13, 14, 21, & 23.

**Owner/Manager:** DOD-VAFB, PVT, DPR

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Arctostaphylos rudis**

sand mesa manzanita

Element Code: PDERI041E0

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CHAPARRAL, COASTAL SCRUB.**Micro:** ON SANDY SOILS IN LOMPOC/NIPOMO AREA. 25-230M.**Occurrence No.** 7**Map Index:** 13140**EO Index:** 29775**— Dates Last Seen —****Occ Rank:** Good**Element:** 1989-04-04**Origin:** Natural/Native occurrence**Site:** 1989-04-04**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1996-11-13**Main Source:** NICHOLS, R. 1989 (OBS)**Quad Summary:** CASMALIA (3412075/196D)**County Summary:** SANTA BARBARA**Lat/Long:** 34.81525° / -120.53479°**Township:** 99X**UTM:** Zone-10 N3855325 E725483**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 950.2 ac**Elevation:** 500 ft

**Location:** VANDENBERG AFB, ABOUT 2 MILES SOUTHWEST TO 3 MILES SOUTH OF CASMALIA; BOTH SIDES OF LOMPOC-CASMALIA HIGHWAY.

**Location Detail:**

**Ecological:** 200-800 FEET ELEVATION. ASSOCIATED WITH ARCTOSTAPHYLOS PURISIMA, SALVIA MELLIFERA, ADENOSTOMA FASCICULATUM, ERICAMERIA ERICOIDES, ARTEMISIA CALIFORNICA, BACCHARIS PILULARIS CONSANGUINEA, RHAMNUS CALIFORNICA, AND QUERCUS AGRIFOLIA.

**Threat:** MILITARY ACTIVITIES AND FIRE CONTROL ACTIVITIES COULD THREATEN.

**General:** 7500 PLANTS ESTIMATED IN 1989. OCCURRENCE PROBABLY INCLUDES A 1940 COLLECTION FROM "NEAR MARSHALIA" (EASTWOOD SN CAS).

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Arctostaphylos rudis**

sand mesa manzanita

**Element Code:** PDERI041E0

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** CHAPARRAL, COASTAL SCRUB.**Micro:** ON SANDY SOILS IN LOMPOC/NIPOMO AREA. 25-230M.**Occurrence No.** 11**Map Index:** 12984**EO Index:** 20121**Dates Last Seen****Occ Rank:** None**Element:** XXXX-XX-XX**Origin:** Natural/Native occurrence**Site:** XXXX-XX-XX**Presence:** Extirpated**Trend:** Unknown**Record Last Updated:** 1989-08-11**Main Source:** EDWARDS, J. 1981 (PERS)

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**Quad Summary:** SURF (3412065/171A), CASMALIA (3412075/196D)**County Summary:** SANTA BARBARA

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**Lat/Long:** 34.75080° / -120.60295°**Township:** 99X**UTM:** Zone-10 N3848025 E719418**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 1/5 mile**Elevation:** 240 ft

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**Location:** VANDENBERG AFB., AT END OF LANDING FACILITY V-17 FOR VANDENBERG SPACE SHUTTLE PROGRAM.**Location Detail:****Ecological:****Threat:****General:** SCHEDULED FOR REMOVAL PRIOR TO CONSTRUCTION OF SPACE SHUTTLE LANDING STRIP IN 1981.**Owner/Manager:** DOD-VANDENBERG AFB



## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Chorizanthe rectispina**

straight-awned spineflower

**Element Code:** PDPGN040N0

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G1**CNPS List:** 1B**State:** None**State:** S1.2**R-E-D Code:** 3-1-3

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**Habitat Associations****General:** CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.**Micro:** OFTEN ON GRANITE IN CHAPARRAL. 355-1035M.**Occurrence No.** 12**Map Index:** 39831**EO Index:** 34833**Dates Last Seen****Occ Rank:** Excellent**Element:** 1991-05-13**Origin:** Natural/Native occurrence**Site:** 1991-05-13**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1998-09-28**Main Source:** HENDRICKSON, B. 1991 (OBS)

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**Quad Summary:** CASMALIA (3412075/196D)**County Summary:** SANTA BARBARA

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**Lat/Long:** 34.83277° / -120.52721°**Township:** 09N**UTM:** Zone-10 N3857286 E726129**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** 25**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 520 ft

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**Location:** EAST OF LOMPOC-CASMALIA ROAD 0.4 MILES SOUTHEAST OF CASMALIA, VANDENBERG AFB.**Location Detail:** ALONG RIDGE EAST OF ROAD, ABOUT 0.3 MILE SOUTH OF RR CROSSING.**Ecological:** BARE ROCKY SOIL ALONG THE EDGE OF THE RIDGETOP IN COASTAL SCRUB VEGETATION.**Threat:****General:** 25 PLANTS OBSERVED IN 1991. NO GRAZING OR THREATS NOTED AT THIS SITE IN 1991.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Cirsium rathophilum**

Surf thistle

Element Code: PDAST2E2J0

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** Threatened**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES, COASTAL BLUFF SCRUB.**Micro:** OPEN AREAS IN CENTRAL DUNE SCRUB; USUALLY IN COASTAL DUNES. 3-60M.**Occurrence No.** 8**Map Index:** 12955**EO Index:** 4187\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Excellent**Element:** 1989-04-15**Origin:** Natural/Native occurrence**Site:** 1989-04-15**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1994-12-16**Main Source:** ZEDLER, P. 1979 (LIT)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80027° / -120.61954°**Township:** 99X**UTM:** Zone-10 N3853476 E717769**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 723.7 ac**Elevation:** 20 ft

**Location:** ALONG BEACH SW OF CASMALIA, FROM SCHUMANN CREEK SOUTH TO PURISIMA POINT, VANDENBERG AIR FORCE BASE.

**Location Detail:**

**Ecological:** ON SMALL TRANSVERSE SAND RIDGES IN FOREDUNES. WITH HAZARDIA SQUARROSA, ERIOGONUM PARVIFOLIUM, ERICAMERIA ERICOIDES, CALYSTEGIA SOLDANELLA, ERIAstrum STAECHADIFOLIUM, MALACOTHRIX INCANA, ABRONIA LATIFOLIA, A. MARITIMA, DITHYREA MARITIMA.

**Threat:** SOME DISTURBANCE BY FOOT OR VEHICULAR TRAFFIC TO PLANTS IN SOUTHERN HALF OF POLYGON IN 1986.

**General:** 3500 PLANTS ESTIMATED IN 1986; THIS IS THE LARGEST OCCURRENCE ON THE MOST PRISTINE DUNES.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Cordylanthus rigidus ssp. littoralis**

seaside bird's-beak

**Element Code:** PDSCR0J0P2

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G5T1**CNPS List:** 1B**State:** Endangered**State:** S1.1**R-E-D Code:** 2-3-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, COASTAL DUNES.

**Micro:** SANDY, OFTEN DISTURBED SITES, USUALLY WITHIN CHAPARRAL OR COASTAL SCRUB. 0-215M.

**Occurrence No.** 25**Map Index:** 24865**EO Index:** 6786\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Excellent**Element:** 1989-06-23**Origin:** Natural/Native occurrence**Site:** 1989-06-23**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1993-12-14**Main Source:** HENDRICKSON, B. 1989 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.76130° / -120.51748°**Township:** 99X**UTM:** Zone-10 N3849380 E727215**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 1/5 mile**Elevation:** 500 ft**Location:** 0.8 MI N OF VANDENBERG AFB MAIN GATE; ABOUT 1000 FT W OF HWY 1.**Location Detail:**

**Ecological:** RECENT BURN SITE (WITHIN 5 YEARS). OPEN BURTON MESA CHAPARRAL/OAK WOODLAND DOMINATED BY ADENOSTOMA AND RHAMNUS CALIFORNICA. IN SANDY SOIL ALONG OLD FIREBREAK.

**Threat:** WAS SURVEYED IN 1989 BECAUSE SITE WAS ON AN ALTERNATE ROUTE OF PROPOSED COASTAL AQUEDUCT.

**General:** OVER 100 PLANTS IN 1989.**Owner/Manager:** DOD-VANDENBERG AFB

## PLANTS

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Deinandra increscens ssp. villosa

Gaviota tarplant

Element Code: PDAST4R0U3

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Endangered**Global:** G4G5T1**CNPS List:** 1B**State:** Endangered**State:** S1.1**R-E-D Code:** 3-3-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, COASTAL BLUFF SCRUB.**Micro:** KNOWN FROM COASTAL TERRACE NEAR GAVIOTA; SANDY BLOWOUTS AMID SANDY LOAM SOIL; GRASSLAND/COSCR ECOTONE. 35-430M.**Occurrence No.** 5**Map Index:** 39081**EO Index:** 34088\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Good**Element:** 1998-05-08**Origin:** Natural/Native occurrence**Site:** 1998-05-08**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1998-07-06**Main Source:** PARIKH, A. & N. GALE 1998 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.87506° / -120.62741°**Township:** 09N**UTM:** Zone-10 N3861756 E716852**Range:** 36W**Mapping Precision:** SPECIFIC**Section:** 12 **Qtr:** SW**Symbol Type:** POLYGON**Meridian:** S**Area:** 4.9 ac**Elevation:** 100 ft**Location:** VANDENBERG AFB; ABOUT 0.65-0.8 MI NW OF LIONS HEAD, ALONG BOTH SIDES OF PT. SAL ROAD.**Location Detail:** TWO COLONIES MAPPED.**Ecological:** ON COASTAL BLUFF GROWING ON A ROCKY STEEP FACE WITH NASSELLA PULCHRA, AVENA FATUA, ENCELIA CALIFORNICA. ON SERPENTINE OUTCROPS AND SOILS. ANOTHER RARE PLANT ALSO HERE: DUDLEYA BLOCHMANIAE BLOCHMANIAE.**Threat:** ROAD REPAIR ACTIVITIES, ROCK SLIDES, AND EROSION ARE POTENTIAL THREATS.**General:** 580 PLANTS ESTIMATED IN 1998.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Delphinium parryi ssp. blochmaniae

dune larkspur

Element Code: PDRAN0B1B1

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G4T2

CNPS List: 1B

State: None

State: S2.2

R-E-D Code: 3-2-3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: CHAPARRAL, COASTAL DUNES (MARITIME).

Micro: ON ROCKY AREAS AND DUNES. 30-375M.

Occurrence No. 6

Map Index: 28614

EO Index: 15179

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Fair

Element: 1991-05-17

Origin: Natural/Native occurrence

Site: 1991-05-17

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-12-17

Main Source: HENDRICKSON, B. 1991 (OBS)

Quad Summary: CASMALIA (3412075/196D)

County Summary: SANTA BARBARA

Lat/Long: 34.81524° / -120.51592°

Township: 09N

UTM: Zone-10 N3855367 E727209

Range: 34W

Mapping Precision: SPECIFIC

Section: XX

Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 80 meters

Elevation: 550 ft

**Location:** VANDENBERG AIR FORCE BASE, ABOUT 0.5 MILE EAST OF LOMPOC-CASMALIA ROAD AND 2 MILES SSE OF CASMALIA.

**Location Detail:**

**Ecological:** COASTAL SCRUB ON GENTLE SOUTH-FACING SLOPE WITH SANDY SOIL. ASSOCIATED WITH ARTEMISIA CALIFORNICA, BROMUS DIANDRUS, AND B. RUBENS. SITE IS WEEDY.

**Threat:** INVASION BY EHRHARTA CALYCINA THREATENS HABITAT. COASTAL AQUADUCT ROUTE EXTENSION RUNS THROUGH THIS AREA.

**General:** 1 PLANT OBSERVED IN 1991. HISTORIC COLLECTION BY J. TUCKER #313 UC FROM "MESA BETWEEN CASMALIA AND SAN ANTONIO CANYON" FROM THIS VICINITY.

**Owner/Manager:** DOD-VANDENBERG AFB

## PLANTS

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Dithyrea maritima**

beach spectaclepod

**Element Code:** PDBRA10020

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** Threatened**State:** S2.1**R-E-D Code:** 3-3-2

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**Habitat Associations****General:** COASTAL DUNES, COASTAL SCRUB. FORMERLY MORE WIDESPREAD IN COASTAL HABITATS IN SO. CALIF.**Micro:** SEA SHORES, ON SAND DUNES, AND SANDY PLACES NEAR THE SHORE. 3-50M.**Occurrence No.** 9**Map Index:** 40193**EO Index:** 35195**Dates Last Seen****Occ Rank:** Unknown**Element:** 1906-07-03**Origin:** Natural/Native occurrence**Site:** 1906-07-03**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1998-11-17**Main Source:** EASTWOOD, A. #705 CAS (HERB)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.83606° / -120.59757°**Township:** 09N**UTM:** Zone-10 N3857494 E719684**Range:** 35W**Mapping Precision:** NON-SPECIFIC**Section:** 20**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 1 mile**Elevation:** 40 ft**Location:** CASMALIA SANDS.**Location Detail:** EXACT LOCATION NOT KNOWN; MAPPED NEAR THE BEACHES WEST OF CASMALIA.**Ecological:****Threat:****General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1906 COLLECTION BY EASTWOOD.**Owner/Manager:** UNKNOWN

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Dithyrea maritima**

beach spectaclepod

**Element Code:** PDBRA10020

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** Threatened**State:** S2.1**R-E-D Code:** 3-3-2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES, COASTAL SCRUB. FORMERLY MORE WIDESPREAD IN COASTAL HABITATS IN SO. CALIF.**Micro:** SEA SHORES, ON SAND DUNES, AND SANDY PLACES NEAR THE SHORE. 3-50M.**Occurrence No.** 16**Map Index:** 17009**EO Index:** 3627\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Excellent**Element:** 1998-07-24**Origin:** Natural/Native occurrence**Site:** 1998-07-24**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 2002-05-14**Main Source:** BITTMAN, R. 1989 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80009° / -120.61985°**Township:** 99X**UTM:** Zone-10 N3853456 E717741**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 37.8 ac**Elevation:** 80 ft**Location:** NORTH SIDE OF MOUTH OF SAN ANTONIO CREEK.**Location Detail:****Ecological:** SHIFTING & STABILIZED COASTAL DUNES WITH CIRSIUM RHOTHOPHILUM, MALACOTHRIX INCANA, ATRIPLEX CALIFORNICA, CALYSTEGIA SOLDANELLA, ERICAMERIA ERICOIDES, LUPINUS, CAKIIIE MARITIMA, ABRONIA, CARPOBROTUS, SENECIO BLOCHMANIAE, & CAMISSONIA.**Threat:** SIGNS OF INSECT PREDATION IN 1989, SUBSTANTIAL HERBIVORY BY WEEVILS.**General:** UNKNOWN HOW MANY PLANTS SEEN IN 1989, LESS THAN 500 RAMETS IN 1998.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Dithyrea maritima**

beach spectaclepod

**Element Code:** PDBRA10020

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** Threatened**State:** S2.1**R-E-D Code:** 3-3-2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES, COASTAL SCRUB. FORMERLY MORE WIDESPREAD IN COASTAL HABITATS IN SO. CALIF.**Micro:** SEA SHORES, ON SAND DUNES, AND SANDY PLACES NEAR THE SHORE. 3-50M.**Occurrence No.** 18**Map Index:** 12862**EO Index:** 20542\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Unknown**Element:** 1985-03-18**Origin:** Natural/Native occurrence**Site:** 1985-03-18**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1989-08-11**Main Source:** ROYE, C. 1985 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.75637° / -120.63462°**Township:** 99X**UTM:** Zone-10 N3848574 E716504**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 1/5 mile**Elevation:** 20 ft**Location:** DUNES NEAR PURISIMA POINT, VANDENBERG AIR FORCE BASE.**Location Detail:****Ecological:** IN FOREDUNE AREA ASSOCIATED WITH CIRSIUM RHOTOPHILUM, ABRONIA SPP., CONVULVULUS SOLDANELLA, AND CARPOBROTUS.**Threat:****General:** DUNES FENCED.**Owner/Manager:** DOD-VANDENBERG AFB



## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Dudleya blochmaniae ssp. blochmaniae

Blochman's dudleya

Element Code: PDCRA04051

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G2T2

CNPS List: 1B

State: None

State: S2.1

R-E-D Code: 2-3-2

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: COASTAL SCRUB, COASTAL BLUFF SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro: OPEN, ROCKY SLOPES; OFTEN IN SHALLOW CLAYS OVER SERPENTINE OR IN ROCKY AREAS W/LITTLE SOIL. 5-450M.

Occurrence No. 27

Map Index: 39081

EO Index: 34089

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Good

Element: 1998-05-08

Origin: Natural/Native occurrence

Site: 1998-05-08

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1998-07-06

Main Source: PARIKH, A. &amp; N. GALE 1998 (OBS)

Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.87506° / -120.62741°

Township: 09N

UTM: Zone-10 N3861756 E716852

Range: 36W

Mapping Precision: SPECIFIC

Section: 12 Qtr: SW

Symbol Type: POLYGON

Meridian: S

Area: 4.9 ac

Elevation: 100 ft

Location: VANDENBERG AFB; FROM ABOUT 0.65-0.8 MI NW OF LIONS HEAD, ALONG BOTH SIDES OF PT. SAL ROAD.

Location Detail: TWO COLONIES MAPPED.

Ecological: ON OPEN GROUND, COASTAL BLUFF TERRACE, WITH CLAYEY SOILS, GENTLE SLOPES. SERPENTINE-DERIVED SOILS IN THE AREA. WITH CALOCHORTUS ARGILLOSUS, SISYRHINCHIUM BELLUM, & SIDALCEA MALVIFLORA. ANOTHER RARE PLANT HERE: HEMIZONIA INCRESCENS VILLOSA.

Threat: ROAD REPAIR ACTIVITIES AND DRAINAGE IMPROVEMENTS COULD THREATEN.

General: 200 PLANTS ESTIMATED IN 1998.

Owner/Manager: DOD-VANDENBERG AFB

## PLANTS

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Erigeron blochmaniae**

Blochman's leafy daisy

**Element Code:** PDAST3M5J0

Status		NDDB Element Ranks	Other Lists	
<b>Federal:</b> None		<b>Global:</b> G2	<b>CNPS List:</b> 1B	
<b>State:</b> None		<b>State:</b> S2.2	<b>R-E-D Code:</b> 2-2-3	
Habitat Associations				
<b>General:</b> COASTAL DUNES.				
<b>Micro:</b> SAND DUNES AND HILLS. 3-185M.				

**Occurrence No.** 2**Map Index:** 28628**EO Index:** 29934**Dates Last Seen****Occ Rank:** Unknown**Element:** 1979-XX-XX**Origin:** Natural/Native occurrence**Site:** 1979-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1996-12-16**Main Source:** HOWALD, A. 1981 (PERS)**Quad Summary:** CASMALIA (3412075/196D)**County Summary:** SANTA BARBARA**Lat/Long:** 34.82130° / -120.58265°**Township:** 99X**UTM:** Zone-10 N3855890 E721088**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 250 ft**Location:** VANDENBERG AFB ON SAN ANTONIO TERRACE, SAND DUNES ABOUT 3 AIR MILES WSW OF CASMALIA.**Location Detail:** WEST SIDE OF PEGA ROAD AND 1.2 MILES SOUTHWEST OF ANTONIO SIDING.**Ecological:** 1 CLUMP AT BOTTOM OF OPEN SAND SLOPE.**Threat:****General:** 1-15 PLANTS OBSERVED IN FALL OF 1979.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Erigeron blochmaniae**

Blochman's leafy daisy

Element Code: PDAST3M5J0

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES.**Micro:** SAND DUNES AND HILLS. 3-185M.**Occurrence No.** 3**Map Index:** 28630**EO Index:** 29936\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Unknown**Element:** 1990-XX-XX**Origin:** Natural/Native occurrence**Site:** 1990-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1996-12-20**Main Source:** HUMAN, V. 1990 (LIT)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80909° / -120.56605°**Township:** 99X**UTM:** Zone-10 N3854572 E722640**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 1/5 mile**Elevation:** 280 ft

**Location:** VANDENBERG AFB ON SAN ANTONIO TERRACE, WEST OF RANCHO ROAD ABOUT 2.7 MILES SOUTHWEST OF CASMALIA.

**Location Detail:** AT THE 'WILD ROSE SWALE' SITE DESCRIBED BY V. HUMAN.**Ecological:****Threat:**

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1990 STUDY 'BIOLOGICAL RESOURCES OF SAN ANTONIO TERRACE, VANDENBERG AFB, CALIFORNIA' BY HUMAN.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Erigeron blochmaniae**

Blochman's leafy daisy

Element Code: PDAST3M5J0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3
Habitat Associations		
General: COASTAL DUNES.		
Micro: SAND DUNES AND HILLS. 3-185M.		

Occurrence No. 4

Map Index: 28629

EO Index: 29935

Dates Last Seen

Occ Rank: Unknown

Element: 1990-XX-XX

Origin: Natural/Native occurrence

Site: 1990-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1996-12-20

Main Source: HUMAN, V. 1990 (LIT)

**Quad Summary:**

County Summary: SANTA BARBARA

Lat/Long: 34.81633° / -120.56459°

Township: 99X

UTM: Zone-10 N3855379 E722754

Range: 99X

Mapping Precision: NON-SPECIFIC

Section: XX Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1/5 mile

Elevation: 300 ft

**Location:** VANDENBERG AFB ON SAN ANTONIO TERRACE, WEST OF RANCHO ROAD ABOUT 2.3 MILES SOUTHWEST OF CASMALIA.

**Location Detail:** SOUTH OF 'PASTURE' SITE DESCRIBED BY V. HUMAN. MAPPED NEAR 'PASTURE WETLAND' AND 'PASTURE SPRING STREAM' SITES.

**Ecological:****Threat:**

**General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1990 STUDY 'BIOLLOGICAL RESOURCES OF SAN ANTONIO TERRACE, VANDENBERG AFB, CALIFORNIA' BY HUMAN.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Horkelia cuneata ssp. puberula**

mesa horkelia

**Element Code:** PDROS0W045

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G4T2**CNPS List:** 1B**State:** None**State:** S2.1**R-E-D Code:** 2-3-3

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**Habitat Associations****General:** CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.**Micro:** SANDY OR GRAVELLY SITES. 70-810M.**Occurrence No.** 51**Map Index:** 55029**EO Index:** 55029**Dates Last Seen****Occ Rank:** Unknown**Element:** 1987-07-10**Origin:** Natural/Native occurrence**Site:** 1987-07-10**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 2004-04-09**Main Source:** PRITCHETT, D. #CSM-19 UCSB (HERB)

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**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.79482° / -120.53752°**Township:** 08N**UTM:** Zone-10 N3853054 E725289**Range:** 35W**Mapping Precision:** NON-SPECIFIC**Section:** 02 **Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 93.0 ac**Elevation:** 350 ft**Location:** W SIDE OF LOMPOC-CASMALIA RD., 3.0 MILES S OF CASMALIA.**Location Detail:** EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB.**Ecological:** IN SANDY LOAM IN SHADE OF OAK WOODLAND-FOREST.**Threat:****General:** 1941 COLLECTION BY TUCKER "BETWEEN CASMALIA AND SAN ANTONIO CANYON" ATTRIBUTED TO THIS SITE. PER B. ERTTER, THE TUCKER COLLECTION VARIES TOWARD SSP. CUNEATA. UNKNOWN NUMBER OF PLANTS SEEN IN 1941 AND 1987. NEEDS FIELDWORK.**Owner/Manager:** UNKNOWN

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Horkelia cuneata ssp. sericea**

Kellogg's horkelia

**Element Code:** PDROS0W043

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G4T1**CNPS List:** 1B**State:** None**State:** S1.1**R-E-D Code:** 3-3-3

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**Habitat Associations****General:** CLOSED-CONE CONIFEROUS FOREST, COASTAL SCRUB, CHAPARRAL.**Micro:** OLD DUNES, COASTAL SANDHILLS; OPENINGS. 10-200M.**Occurrence No.** 2**Map Index:** 28803**EO Index:** 30305**Dates Last Seen****Occ Rank:** Unknown**Element:** 1909-05-01**Origin:** Natural/Native occurrence**Site:** 1909-05-01**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-02-04**Main Source:** BRANDEGEE, K. SN UC #185282 (HERB)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.83561° / -120.57107°**Township:** 99X**UTM:** Zone-10 N3857503 E722109**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 1 mile**Elevation:** 320 ft**Location:** ANTONIO SIDING, NEAR SURF.**Location Detail:****Ecological:****Threat:****General:** MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1909 COLLECTION BY BRANDEGEE. SITE INCLUDES 1940 COLLECTION BY RIPLEY (#3152) FROM GENERAL AREA OF "BARTON (BURTON) MESA, NEAR**Owner/Manager:** UNKNOWN

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Monardella crisp

crisp monardella

Element Code: PDLAM18070

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G2

CNPS List: 1B

State: None

State: S2.2

R-E-D Code: 2-2-3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: COASTAL DUNES, COASTAL SCRUB.

Micro: OFTEN ON THE BORDERS OF OPEN, SAND AREAS, USUALLY ADJACENT TO TYPICAL BACKDUNE SCRUB  
VEGETATION. 5-120M.

Occurrence No. 11

Map Index: 12921

EO Index: 17920

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1982-XX-XX

Origin: Natural/Native occurrence

Site: 1982-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1999-12-16

Main Source: SMITH, D. 1982 (PERS)

Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.78818° / -120.62053°

Township: 08N

UTM: Zone-10 N3852133 E717710

Range: 35W

Mapping Precision: NON-SPECIFIC

Section: 07

Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 2/5 mile

Elevation: 60 ft

Location: MAJOR DUNES JUST SOUTH OF SAN ANTONIO CREEK, VANDENBERG AIR FORCE BASE.

Location Detail: EXACT LOCATION NOT KNOWN; MAPPED IN DUNES WEST OF RR TRACKS AND SOUTH OF SAN ANTONIO  
CREEK. NEEDS FIELDWORK.

Ecological: IN BLOW OUT IN BACK DUNE AREA.

Threat:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1981/1982 COLLECTION BY D. SMITH #132.

Owner/Manager: DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Monardella crisp

crisp monardella

Element Code: PDLAM18070

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G2

CNPS List: 1B

State: None

State: S2.2

R-E-D Code: 2-2-3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: COASTAL DUNES, COASTAL SCRUB.

Micro: OFTEN ON THE BORDERS OF OPEN, SAND AREAS, USUALLY ADJACENT TO TYPICAL BACKDUNE SCRUB  
VEGETATION. 5-120M.

Occurrence No. 12

Map Index: 12950

EO Index: 17918

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1982-XX-XX

Origin: Natural/Native occurrence

Site: 1982-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1999-12-16

Main Source: SMITH, D. 1982 (PERS)

Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.78738° / -120.61019°

Township: 08N

UTM: Zone-10 N3852067 E718658

Range: 35W

Mapping Precision: NON-SPECIFIC

Section: 07 Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1/5 mile

Elevation: 80 ft

Location: SANDY AREA ADJACENT TO SOUTHERN PACIFIC RR BRIDGE OVER SAN ANTONIO CREEK, VANDENBERG  
AIR FORCE BASE.

Location Detail:

Ecological: IN DISTURBED SANDY AREA ADJACENT TO CREEK.

Threat:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1981/1982 COLLECTION BY D. SMITH #683. FORMER  
GENERAL OCCURRENCE #20 FROM "BURTON MESA" LUMPED WITH THIS OCCURRENCE.

Owner/Manager: DOD-VANDENBERG AFB



## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Monardella crisp

crisp monardella

Element Code: PDLAM18070

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G2

CNPS List: 1B

State: None

State: S2.2

R-E-D Code: 2-2-3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: COASTAL DUNES, COASTAL SCRUB.

Micro: OFTEN ON THE BORDERS OF OPEN, SAND AREAS, USUALLY ADJACENT TO TYPICAL BACKDUNE SCRUB  
VEGETATION. 5-120M.

Occurrence No. 13

Map Index: 12886

EO Index: 17921

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1982-XX-XX

Origin: Natural/Native occurrence

Site: 1982-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2000-02-23

Main Source: SMITH, D. 1982 (PERS)

Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.76104° / -120.62511°

Township: 08N

UTM: Zone-10 N3849113 E717363

Range: 36W

Mapping Precision: NON-SPECIFIC

Section: 24

Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 3/5 mile

Elevation: 80 ft

Location: SANDY AREA ADJACENT TO PARKING AREA AT PURISIMA POINT, VANDENBERG AIR FORCE BASE.

Location Detail: MAPPED BETWEEN BEACH AND SPRR TRACKS IN THE VICINITY OF PURISIMA POINT.

Ecological: IN SANDY AREA.

Threat:

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1981/1982 COLLECTION BY D. SMITH #673.

Owner/Manager: DOD-VANDENBERG AFB

## PLANTS

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Monardella crispata

crisp monardella

Element Code: PDLAM18070

\_\_\_\_\_ Status \_\_\_\_\_ NDDB Element Ranks \_\_\_\_\_ Other Lists \_\_\_\_\_

Federal: None

Global: G2

CNPS List: 1B

State: None

State: S2.2

R-E-D Code: 2-2-3

\_\_\_\_\_ Habitat Associations \_\_\_\_\_

General: COASTAL DUNES, COASTAL SCRUB.

Micro: OFTEN ON THE BORDERS OF OPEN, SAND AREAS, USUALLY ADJACENT TO TYPICAL BACKDUNE SCRUB  
VEGETATION. 5-120M.

Occurrence No. 17

Map Index: 40535

EO Index: 35542

\_\_\_\_\_ Dates Last Seen \_\_\_\_\_

Occ Rank: Unknown

Element: 1982-XX-XX

Origin: Natural/Native occurrence

Site: 1982-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2000-02-23

Main Source: SMITH, D. 1982 (PERS)

## Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.82035° / -120.58370°

Township: 09N

UTM: Zone-10 N3855782 E720995

Range: 35W

Mapping Precision: NON-SPECIFIC

Section: 32

Qtr: XX

Symbol Type: POINT

Meridian: S

Radius: 1 mile

Elevation: 280 ft

Location: NORTH END OF PEGA ROAD, VANDENBERG AIR FORCE BASE.

Location Detail: MAPPED IN SANDY AREA ABOUT 1-2 MILES SOUTHWEST OF ANTONIO SIDING ALONG THE SPRR.

Ecological: OPEN AREA IN DUNES. PLANTS ARE ABUNDANT IN THIS AREA AND EXTEND AS INTERMITTENT STANDS  
THROUGHOUT THE SAN ANTONIO TERRACE.

## Threat:

General: THIS LOCATION IS BASED UPON TWO COLLECTIONS BY D. SMITH; #90 AND 100.

Owner/Manager: DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Monardella frutescens**

San Luis Obispo monardella

**Element Code:** PDLAM180X0

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** COASTAL DUNES, COASTAL SCRUB.**Micro:** STABILIZED SAND OF THE IMMEDIATE COAST. 10-100M.**Occurrence No.** 9**Map Index:** 22762**EO Index:** 14084**Dates Last Seen****Occ Rank:** Unknown**Element:** 1981-XX-XX**Origin:** Natural/Native occurrence**Site:** 1981-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1993-02-10**Main Source:** SMITH, D. 1982 (LIT)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.81311° / -120.61083°**Township:** 09N**UTM:** Zone-10 N3854920 E718532**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 80 ft**Location:** CASMALIA BEACH, ABOUT 0.6 MILE NNW OF NARLON, VANDENBERG AIR FORCE BASE.**Location Detail:** MAPPED ABOUT 250 METERS ESE OF POND 2 SURVEY MARKER ON TOPO MAP.**Ecological:** GROWING IN RELATIVELY OPEN VEGETATION ON STABILIZED BACKDUNE SLOPES AND RIDGES. OFTEN OCCURRING ALONG RIDGE TOPS.**Threat:****General:** SMITH OBSERVED POPULATIONS FROM CASMALIA BEACH TO SOUTH OF POINT ARGUELLO. SITE MAPPED BASED UPON 1981 MAP BY A. HOWALD.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

### Monardella frutescens

San Luis Obispo monardella

Element Code: PDLAM180X0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3
Habitat Associations		
General: COASTAL DUNES, COASTAL SCRUB.		
Micro: STABILIZED SAND OF THE IMMEDIATE COAST. 10-100M.		

Occurrence No. 16

Map Index: 13064

EO Index: 18082

Dates Last Seen

Occ Rank: Unknown

Element: 1981-XX-XX

Origin: Natural/Native occurrence

Site: 1981-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1999-01-14

Main Source: HDR 1980 (LIT)

#### Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.81555° / -120.58295°

Township: 09N

UTM: Zone-10 N3855252 E721076

Range: 35W

Mapping Precision: SPECIFIC

Section: 32 Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 171.9 ac

Elevation: 200 ft

**Location:** SAN ANTONIO TERRACE, VICINITY OF PEGA ROAD; NORTH OF UMBRO ROAD BETWEEN RR TRACKS AND RANCHO ROAD, VANDENBERG AFB.

**Location Detail:** NUMEROUS COLONIES MAPPED IN THIS AREA. NEED GRAPHICS LAYER TO APPRECIATE IT.

**Ecological:** WIDELY SCATTERED COLONIES IN OPEN VEGETATION ON STABILIZED BACKDUNE SLOPES AND RIDGES.

**Threat:** BASE CONSTRUCTION ACTIVITIES.

**General:** ABOUT 950,000 PLANTS ESTIMATED FOR THE SAN ANTONIO TERRACE; MOST OF WHICH ARE WITHIN THIS OCCURRENCE. MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1980 REPORT BY HENNINGSON, DURHAM, AND RICHARDSON.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Monardella frutescens

San Luis Obispo monardella

Element Code: PDLAM180X0

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES, COASTAL SCRUB.**Micro:** STABILIZED SAND OF THE IMMEDIATE COAST. 10-100M.**Occurrence No.** 26**Map Index:** 31052**EO Index:** 35602**Dates Last Seen** \_\_\_\_\_**Occ Rank:** Good**Element:** 1989-04-15**Origin:** Natural/Native occurrence**Site:** 1989-04-15**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1999-01-14**Main Source:** BITTMAN, R. 1989 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80009° / -120.61985°**Township:** 99X**UTM:** Zone-10 N3853456 E717741**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 17.7 ac**Elevation:** 20 ft**Location:** NORTH SIDE OF THE MOUTH OF SAN ANTONIO CREEK, VANDENBERG AIR FORCE BASE.**Location Detail:** ALONG DIRT ROAD TOWARDS DUNES.**Ecological:** IN SAND ALONG ROAD.**Threat:****General:** UNKNOWN NUMBER OF PLANTS OBSERVED IN 1989.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Monardella frutescens**

San Luis Obispo monardella

**Element Code:** PDLAM180X0

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** COASTAL DUNES, COASTAL SCRUB.**Micro:** STABILIZED SAND OF THE IMMEDIATE COAST. 10-100M.**Occurrence No.** 27**Map Index:** 40591**EO Index:** 35598**Dates Last Seen** \_\_\_\_\_**Occ Rank:** Unknown**Element:** 1980-XX-XX**Origin:** Natural/Native occurrence**Site:** 1980-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1999-01-14**Main Source:** HDR 1980 (LIT)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80442° / -120.56818°**Township:** 08N**UTM:** Zone-10 N3854050 E722458**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** 04 **Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 24.7 ac**Elevation:** 300 ft

**Location:** SAN ANTONIO TERRACE, ALONG RANCHO ROAD ABOUT 2.3 MILES NORTH OF SAN ANTONIO CREEK, VANDENBERG AFB.

**Location Detail:** SEVERAL COLONIES MAPPED ALONG EITHER SIDE OF ROAD; UP TO 0.3 MILE WEST OF ROAD, 0.2 MILE EAST OF ROAD, AND ABOUT 0.5-1 MILE NORTH OF ALAMO BENCHMARK.

**Ecological:** WIDELY SCATTERED COLONIES IN OPEN VEGETATION ON STABILIZED BACKDUNE SLOPES AND RIDGES.

**Threat:** BASE CONSTRUCTION ACTIVITIES.

**General:** UNKNOWN NUMBER OF PLANTS SEEN AT IN 1979/1980 THIS OCCURRENCE. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1980 REPORT BY HENNINGSON, DURHAM, AND RICHARDSON.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

## Monardella frutescens

San Luis Obispo monardella

Element Code: PDLAM180X0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2	CNPS List: 1B
State: None	State: S2.2	R-E-D Code: 2-2-3
Habitat Associations		
General: COASTAL DUNES, COASTAL SCRUB.		
Micro: STABILIZED SAND OF THE IMMEDIATE COAST. 10-100M.		

Occurrence No. 28

Map Index: 40592

EO Index: 35599

Dates Last Seen

Occ Rank: Unknown

Element: 1980-XX-XX

Origin: Natural/Native occurrence

Site: 1980-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1999-01-14

Main Source: HDR 1980 (LIT)

## Quad Summary:

County Summary: SANTA BARBARA

Lat/Long: 34.79695° / -120.60643°

Township: 08N

UTM: Zone-10 N3853137 E718977

Range: 35W

Mapping Precision: SPECIFIC

Section: 06 Qtr: XX

Symbol Type: POLYGON

Meridian: S

Area: 3.5 ac

Elevation: 100 ft

**Location:** SAN ANTONIO TERRACE, ALONG EAST SIDE OF SPRR TRACKS ABOUT 0.5 MILE NORTH OF SAN ANTONIO CREEK CROSSING, VANDENBERG AFB.

**Location Detail:** TWO COLONIES MAPPED AS A SINGLE POLYGON ALONG EAST SIDE OF TRACKS.

**Ecological:** IN OPEN VEGETATION ON STABILIZED BACKDUNE SLOPES AND RIDGES.

**Threat:** BASE CONSTRUCTION ACTIVITIES.

**General:** UNKNOWN NUMBER OF PLANTS SEEN AT IN 1979/1980 THIS OCCURRENCE. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1980 REPORT BY HENNINGSON, DURHAM, AND RICHARDSON.

**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Monardella frutescens**

San Luis Obispo monardella

**Element Code:** PDLAM180X0

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** COASTAL DUNES, COASTAL SCRUB.**Micro:** STABILIZED SAND OF THE IMMEDIATE COAST. 10-100M.**Occurrence No.** 29**Map Index:** 40593**EO Index:** 35600**Dates Last Seen****Occ Rank:** Unknown**Element:** 1980-XX-XX**Origin:** Natural/Native occurrence**Site:** 1980-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1999-01-14**Main Source:** HDR 1980 (LIT)

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**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.79577° / -120.59333°**Township:** 08N**UTM:** Zone-10 N3853034 E720179**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** 05 **Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 10.4 ac**Elevation:** 120 ft

---

**Location:** SAN ANTONIO TERRACE, ALONG BOTH SIDES OF UMBRA ROAD ABOUT 0.25 MILE WNW OF JUNCTION WITH BRIO ROAD, VANDENBERG AFB.**Location Detail:** FOUR COLONIES.**Ecological:** IN OPEN VEGETATION ON STABILIZED BACKDUNE SLOPES AND RIDGES.**Threat:** BASE CONSTRUCTION ACTIVITIES.**General:** ABOUT 400 PLANTS ATTRIBUTED TO THIS SITE IN 1979/1980. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1980 REPORT BY HENNINGSON, DURHAM, AND RICHARDSON.**Owner/Manager:** DOD-VANDENBERG AFB



## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Monardella frutescens**

San Luis Obispo monardella

**Element Code:** PDLAM180X0

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** COASTAL DUNES, COASTAL SCRUB.**Micro:** STABILIZED SAND OF THE IMMEDIATE COAST. 10-100M.**Occurrence No.** 30**Map Index:** 40594**EO Index:** 35601**Dates Last Seen****Occ Rank:** Unknown**Element:** 1980-XX-XX**Origin:** Natural/Native occurrence**Site:** 1980-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1999-01-14**Main Source:** HDR 1980 (LIT)

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**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.79022° / -120.59942°**Township:** 08N**UTM:** Zone-10 N3852405 E719637**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** 08 **Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 4.3 ac**Elevation:** 120 ft**Location:** SAN ANTONIO TERRACE, SOUTH OF UMBRA ROAD AND WEST OF BRIO ROAD, VANDENBERG AFB.**Location Detail:** TWO COLONIES MAPPED IN SINGLE POLYGON ABOUT 0.15 MILE WEST OF THE END OF BRIO ROAD.**Ecological:** IN OPEN VEGETATION ON STABILIZED BACKDUNE SLOPES AND RIDGES.**Threat:** BASE CONSTRUCTION ACTIVITIES.**General:** UNKNOWN NUMBER OF PLANTS OBSERVED AT THIS SITE IN 1979/1980. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1980 REPORT BY HENNINGSON, DURHAM, AND RICHARDSON.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Rorippa gambelii**

Gambel's water cress

Element Code: PDBRA270V0

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** Endangered**Global:** G1**CNPS List:** 1B**State:** Threatened**State:** S1.1**R-E-D Code:** 3-3-2

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** MARSHES AND SWAMPS.

**Micro:** FRESHWATER AND BRACKISH MARSHES AT THE MARGINS OF LAKES AND ALONG STREAMS, IN OR JUST ABOVE THE WATER LEVEL. 5-1305M.

**Occurrence No.** 12**Map Index:** 36413**EO Index:** 31410\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Excellent**Element:** 1996-07-25**Origin:** Natural/Native occurrence**Site:** 1996-07-25**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-08-12**Main Source:** KEIL, D. 1996 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.75735° / -120.51562°**Township:** 08N**UTM:** Zone-10 N3848946 E727396**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** 24 **Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 480 ft

**Location:** VANDENBERG AFB; 0.5 MI NNE OF MAIN GATE, JUST W OF HWY 1 (VANDENBERG RD) AT "LOMPOC LEFT LANE" SIGN.

**Location Detail:** PLANTS PRIMARILY FOUND AT W END OF PEAT RICH MARSH AT ECOTONE WITH RIPARIAN (WILLOW) WOODLAND.

**Ecological:** FRESHWATER MARSH WITH FLOATING MAT SURROUNDED BY WILLOW WOODLAND. BORDERED BY COASTAL DUNE SCRUB AND COASTAL LIVE OAK WOODLAND. ASSOCIATES INCLUDE: TYPHA LATIFOLIA, SCIRPUS MICROCARPUS, S. ACUTUS, SPARGANIUM, SALIX LASIOLEPIS, & MYRICA CA.

**Threat:** DRAINAGE IS SPRING-FED AND WOULD BE ADVERSELY AFFECTED BY WELL DRILLING, SHOULD ANY OCCUR.

**General:** FEWER THAN 100 PLANTS IN 1996.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

Element Code: PDSCR1S010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 19**Map Index:** 29078**EO Index:** 30990\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Good**Element:** 1991-05-13**Origin:** Natural/Native occurrence**Site:** 1991-05-13**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-04-15**Main Source:** HENDRICKSON, B. 1991 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80879° / -120.51910°**Township:** 09N**UTM:** Zone-10 N3854644 E726936**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 9.0 ac**Elevation:** 450 ft**Location:** ABOUT 2.2 AIR MILES SSE OF CASMALIA AND 0.4 MILE EAST OF LOMPOC-CASMALIA ROAD, NORTH END OF VANDENBERG AFB.**Location Detail:** VALLEY SOUTH OF BISHOP ROAD (NEXT DRAINAGE TO THE EAST FROM LOMPOC-CASMALIA ROAD).**Ecological:** BACCHARIS PILULARIS-RIPARIAN SCRUB AND COASTAL SAGE SCRUB. ASSOCIATED WITH ARTEMISIA CALIFORNICA, BACCHARIS, AND TOXICODENDRON.**Threat:** COASTAL AQUEDUCT EXTENSION CONSTRUCTION.**General:** 50-100 PLANTS OBSERVED IN 1991.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

Element Code: PDSCR1S010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 20**Map Index:** 29076**EO Index:** 30985\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Good**Element:** 1991-05-29**Origin:** Natural/Native occurrence**Site:** 1991-05-29**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-03-28**Main Source:** HENDRICKSON, B. 1991 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.83549° / -120.52985°**Township:** 09N**UTM:** Zone-10 N3857582 E725880**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 7.7 ac**Elevation:** 350 ft**Location:** JUST SOUTH OF CASMALIA, SOUTH OF SOUTHERN PACIFIC TRACKS AND WEST OF LOMPOC-CASMALIA ROAD, NORTH END OF VANDENBERG AFB.**Location Detail:****Ecological:** RIPARIAN SCRUB AND COYOTE BUSH SCRUB IN WETTER AREAS OF VALLEY FLOOR. USUALLY ASSOCIATED WITH BASES OF SHRUBS AND WILLOWS.**Threat:** ON ROUTE OF PROPOSED COASTAL AQUEDUCT. MANY AREAS DISTURBED BY DUMPING.**General:** 1000+ PLANTS OBSERVED IN 1991.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

Element Code: PDSCR1S010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 21**Map Index:** 29077**EO Index:** 30986\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Excellent**Element:** 1991-04-11**Origin:** Natural/Native occurrence**Site:** 1991-04-11**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-03-28**Main Source:** HENDRICKSON, B. 1991 (OBS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.82976° / -120.52503°**Township:** 09N**UTM:** Zone-10 N3856957 E726336**Range:** 35W**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POLYGON**Meridian:** S**Area:** 13.1 ac**Elevation:** 480 ft**Location:** ABOUT 0.6 AIR MILE SOUTHEAST OF CASMALIA ALONG EAST SIDE OF LOMPOC-CASMALIA ROAD, NORTH END OF VANDENBERG AFB.**Location Detail:****Ecological:** RIPARIAN SCRUB DOMINATED BY BACCHARIS PILULARIS CONSANGUINEA. OLD, TALL SHRUBS WITH LITTLE UNDERSTORY. COMMON AT BASES OF SHRUBS AND ON THE BANKS OF INTERMITTANT STEAM, UNDER SALIX LASIOLEPIS. HIGHEST DENSITY IS IN THE STREAMBED.**Threat:****General:** ABOUT 1000 PLANTS OBSERVED IN 1991.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

**Element Code:** PDSCR1S010

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 22**Map Index:** 29072**EO Index:** 30988**Dates Last Seen****Occ Rank:** Unknown**Element:** 1981-XX-XX**Origin:** Natural/Native occurrence**Site:** 1981-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-03-28**Main Source:** HOWALD, A. 1981 (PERS)

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**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.81299° / -120.57121°**Township:** 99X**UTM:** Zone-10 N3854993 E722157**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 240 ft

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**Location:** SAN ANTONIO TERRACE, ABOUT 0.4 MILE WEST OF RANCHO ROAD AND 1.5 MILE SOUTH OF ANTONIO, VANDENBERG AFB.**Location Detail:****Ecological:****Threat:****General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY A. HOWALD.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

**Element Code:** PDSCR1S010

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 23**Map Index:** 29071**EO Index:** 30987**Dates Last Seen****Occ Rank:** Unknown**Element:** 1981-XX-XX**Origin:** Natural/Native occurrence**Site:** 1981-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-03-28**Main Source:** HOWALD, A. 1981 (PERS)

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**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80658° / -120.58897°**Township:** 99X**UTM:** Zone-10 N3854243 E720550**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 180 ft

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**Location:** SAN ANTONIO TERRACE, ABOUT 0.3 MILE WEST OF PEGA ROAD AND 0.25 MILE NORTH OF PERIGEE ROAD, VANDENBERG AFB.**Location Detail:****Ecological:****Threat:****General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY HOWALD.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

**Element Code:** PDSCR1S010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 24**Map Index:** 29073**EO Index:** 30989\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Unknown**Element:** 1981-XX-XX**Origin:** Natural/Native occurrence**Site:** 1981-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-03-28**Main Source:** HOWALD, A. 1981 (PERS)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.80238° / -120.57428°**Township:** 99X**UTM:** Zone-10 N3853810 E721905**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 220 ft**Location:** SAN ANTONIO TERRACE, ABOUT 0.4 MILE WEST OF RANCHO ROAD AND 1.2 MILES NORTH OF UMBRA ROAD, VANDENBERG AFB.**Location Detail:****Ecological:****Threat:****General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY A. HOWALD.**Owner/Manager:** DOD-VANDENBERG AFB



## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

**Element Code:** PDSCR1S010

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 25**Map Index:** 29074**EO Index:** 30991**Dates Last Seen****Occ Rank:** Unknown**Element:** 1981-XX-XX**Origin:** Natural/Native occurrence**Site:** 1981-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-03-28**Main Source:** HOWALD, A. 1981 (PERS)

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**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.78917° / -120.57763°**Township:** 99X**UTM:** Zone-10 N3852337 E721634**Range:** 99X**Mapping Precision:** SPECIFIC**Section:** XX **Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 80 meters**Elevation:** 160 ft

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**Location:** SAN ANTONIO TERRACE, NORTHWEST OF JUNCTION OF PEGA ROAD AND UMBRA ROAD, VANDENBERG AFB.**Location Detail:****Ecological:****Threat:****General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY A. HOWALD.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

**Element Code:** PDSCR1S010

\_\_\_\_\_ **Status** \_\_\_\_\_ **NDDB Element Ranks** \_\_\_\_\_ **Other Lists** \_\_\_\_\_

**Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

\_\_\_\_\_ **Habitat Associations** \_\_\_\_\_

**General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 26**Map Index:** 29075**EO Index:** 30996\_\_\_\_\_ **Dates Last Seen** \_\_\_\_\_**Occ Rank:** Unknown**Element:** 198X-XX-XX**Origin:** Natural/Native occurrence**Site:** 198X-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-04-15**Main Source:** SMITH, D. 1982 (LIT)**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.77330° / -120.57284°**Township:** 99X**UTM:** Zone-10 N3850587 E722115**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 3/5 mile**Elevation:** 300 ft**Location:** NEAR SAN ANTONIO CREEK AT EL RANCHO ROAD CROSSING, VANDENBERG AFB.**Location Detail:** SITE ALSO REFERRED TO IN OLD COLLECTIONS AS "4 MILES SOUTH OF CASMALIA."**Ecological:** AT BASE OF SHALE SLOPE.**Threat:****General:** TWO COLLECTIONS ATTRIBUTED TO THIS SITE: MUNZ (#19455 CAS) IN 1954 AND SMITH AND KOEHLER (#56 UNKNOWN HERB) CIRCA 1980.**Owner/Manager:** DOD-VANDENBERG AFB

## Appendix 5

Federal Status, State Status, CNPS List, CNPS R-E-D Code (Quads: Lompoc, Lompoc Hills, Santa Rosa Hills, Surf, Tranquillon Mtn, Orcutt, Casmalia)

**Scrophularia atrata**

black-flowered figwort

**Element Code:** PDSCR1S010

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**Status** **NDDB Element Ranks** **Other Lists****Federal:** None**Global:** G2**CNPS List:** 1B**State:** None**State:** S2.2**R-E-D Code:** 2-2-3

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**Habitat Associations****General:** CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL DUNES, COASTAL SCRUB, RIPARIAN SCRUB.**Micro:** SAND, DIATOMACEOUS SHALES, AND SOILS DERIVED FROM OTHER PARENT MATERIAL; AROUND SWALES AND IN SAND DUNES. 10-250M.**Occurrence No.** 27**Map Index:** 29070**EO Index:** 30995**Dates Last Seen****Occ Rank:** Unknown**Element:** 198X-XX-XX**Origin:** Natural/Native occurrence**Site:** 198X-XX-XX**Presence:** Presumed Extant**Trend:** Unknown**Record Last Updated:** 1997-03-28**Main Source:** SMITH, D. 1982 (LIT)

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**Quad Summary:****County Summary:** SANTA BARBARA**Lat/Long:** 34.82840° / -120.57818°**Township:** 99X**UTM:** Zone-10 N3856687 E721478**Range:** 99X**Mapping Precision:** NON-SPECIFIC**Section:** XX**Qtr:** XX**Symbol Type:** POINT**Meridian:** S**Radius:** 3/5 mile**Elevation:** 280 ft**Location:** DUNES AT THE NORTH END OF PEGA ROAD, VANDENBERG AFB.**Location Detail:****Ecological:** MARGIN OF POND IN SWALE.**Threat:****General:** ONLY SOURCE OF INFORMATION FOR THIS SITE IS UNDATED COLLECTION BY SMITH ET AL (#131 UNKNOWN HERB) CIRCA 1980.**Owner/Manager:** DOD-VANDENBERG AFB